

**CEO Volume II**  
**Transportation Energy Systems**  
**Staff Draft Outline**  
**-Work in Progress-**  
**March 8, 2000**

**I. Market Trends and Regulatory Issues**

- A. Transportation Fuels and Travel Demand
  - 1. Population and Economic Growth
  - 2. Fuel Demand and Vehicle Miles Traveled
  - 3. Demand for Vehicles
  - 4. Regulatory Impacts on Fuels Demand
  - 5. Analytic Activities and Information Services
- B. California Petroleum Fuels Outlook
  - 1. Crude Oil — the International Context
  - 2. Crude Oil — the California Context
  - 3. Refinery Capacity and Fuel Distribution Infrastructure
  - 4. MTBE Phase Out, Phase 3 Reformulated Gasoline and Unresolved Issues
  - 5. Federal Oxygenate Requirements
  - 6. Price Volatility and Potential Mitigation Strategies
  - 7. Implications of Lower Sulfur Fuel Specifications
- C. Fuel Price Implications

**II. Transportation Systems and Land Use Planning**

- A. Land Use Decisions Impacts on Energy Demand
- B. Local Land Use Decision-making Process
- C. Demonstrations of Concept
  - 1. San Diego-MidCities
- D. Potential Applications
  - 1. Local/regional urban development (expansion and infill)
  - 2. Regional transportation planning with CalTrans and regional agencies
  - 3. Urban sprawl/Smart Growth management
- E. Potential Benefits
  - 1. Short term energy demand reduction
  - 2. Long term energy demand reduction
  - 3. Improved jobs/housing balance
  - 4. Air quality improvements
  - 5. Quality of life enhancements
  - 6. Increased local economic efficiencies
  - 7. Creation of measurable implementation tool to track changes
  - 8. Increased public involvement and education

F. Recommended Actions

1. Advocate use of *PLACE*<sup>3</sup>*S* model in government
2. Provide base information to users
3. Provide training to users and professionals
4. Conduct additional demonstrations to showcase successes

**III. Advances in Transportation Energy Technology**

- A. Progress Toward Cleaner Transportation Energy
- B. Advances in Transportation Energy Efficiency
- C. Alternative Fuel Applications in Transportation
- D. Supply and Distribution of Alternative Transportation Fuels

**IV. Costs of Transportation Energy Use**

- A. Consumer and Societal Costs
- B. Options to Reduce Costs
- C. Evaluation of Options
- D. Sustainability

**V. Global Climate Change**

- A. Role of Transportation in Greenhouse Gas Production
  1. Transportation's Contribution to Greenhouse Gas Emissions
  2. California's Overall Transportation
- B. Potential Impacts of Climate Change on Transportation
  1. Forecasted California Climate Changes
  2. Potential Impacts of Climate Changes on California's Transportation System
- C. Potential Strategies to Reduce Greenhouse Gases from Transportation
  1. Alternative Fuels and Vehicles
  2. Transportation Demand Management Issues and Strategies
- D. Future Transportation Policy Needs

**VI. Implications for State Transportation Energy**

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Proposed Schedule**

Complete Annotated Outline for Internal Review	March 13, 2000
Public Review of Staff Draft Report	April 5, 2000
Public Workshop on Staff Draft Report	April 20, 2000
Public Review of Revised Staff Draft Report	May 3, 2000
Conduct Public Hearing on Staff Draft Report	May 18, 2000
Committee Draft Report for Public Review	June 21, 2000
Report Adoption — CEC Business Meeting	July 12, 2000
Publication of Commission Report	August 2000